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AI  
cont.  
greater than 9.5 mg/l, said method comprising conducting electrolysis of water in a catalyst-free cell in which radio frequency waves are transmitted through the water at a signal strength sufficient to electronically reproduce the effect of the physical presence of a catalyst, wherein the radio frequency waves have a transmission frequency substantially equal to the signal frequency of the catalyst as determined by NMR.

30. (New) A method as defined in claim 29, wherein the radio frequency waves have a transmission frequency substantially equal to the signal frequency of a catalyst selected from the group of platinum, rhenium, iridium and ruthenium.

31. (New) A method as defined in claim 30, wherein the transmission frequency is about 9.29 megahertz.

Sub.  
B1  
32. (New) Superoxygenated water prepared by the method of claim 29.

33. (New) Superoxygenated water prepared by the method of claim 30.

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*AI cont. sub. 17* 34. (New) Superoxygenated water prepared by the method of  
*claim 31.*

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